

Monthly infectious disease summary report October 2008



1 January – 31 October 2008

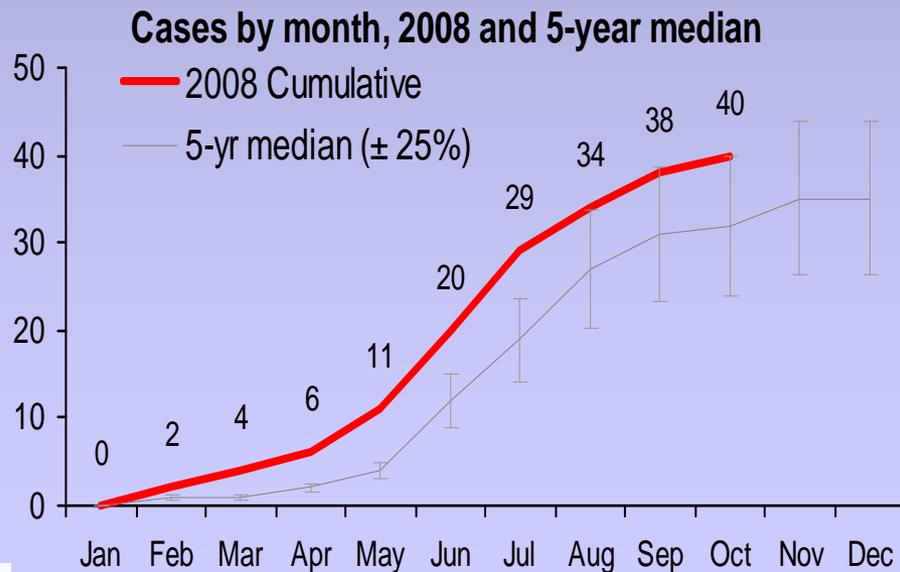
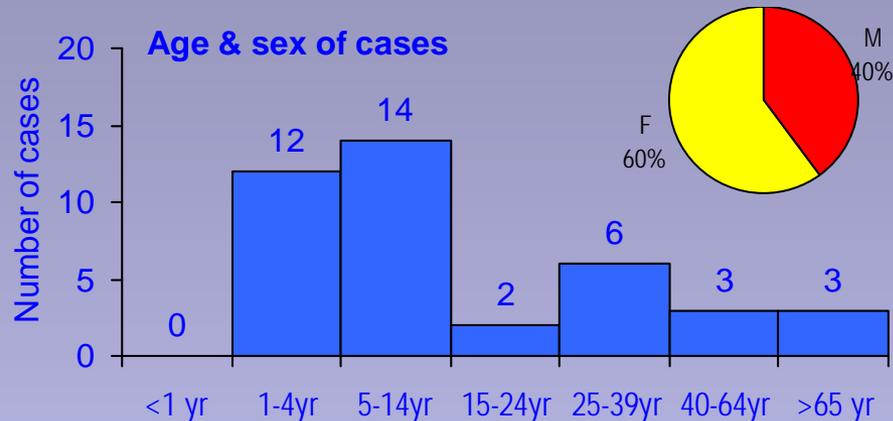
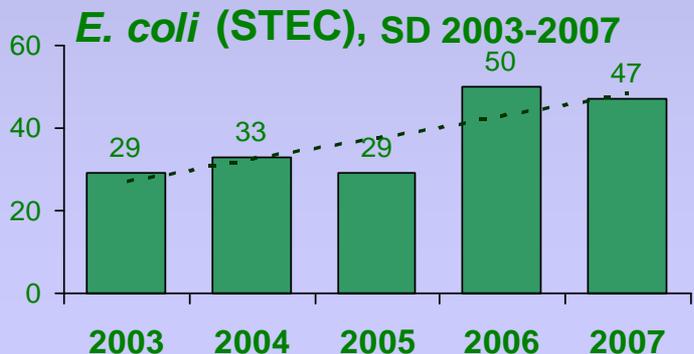
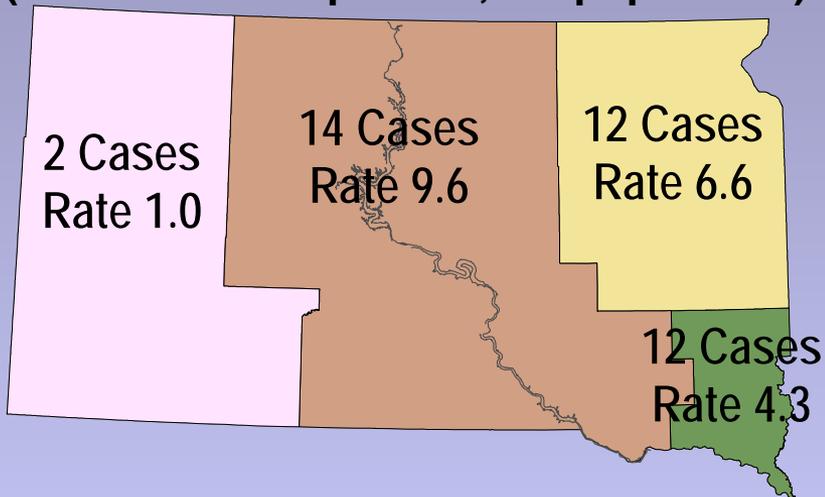
Provisional data

South Dakota infectious disease summary

| Diseases/Agent | Cases year-to-date | Rate (cases per 100,000 population) | 5-yr median cases | Percent change |
|--------------------------------|------------------------------|---|-----------------------------|---------------------------------|
| Campylobacter | 225 | 28.3 | 216 | +4% |
| Chlamydia | 2459 | 308.8 | 2384 | +3% |
| Cryptosporidiosis | 68 | 8.5 | 37 | +84% |
| E. coli, shiga toxin-producing | 40 | 5.0 | 32 | +25% |
| Giardiasis | 97 | 12.2 | 79 | +23% |
| Gonorrhea | 289 | 36.3 | 234 | +24% |
| HIV AIDS | 26 | 3.3 | 20 | +30% |
| Meningococcal, invasive | 2 | 0.3 | 3 | -33% |
| MRSA | 56 | 7.0 | 37 | +51% |
| Pertussis | 27 | 3.4 | 30 | -10% |
| Rabies, animal | 21 | NA | 60 | -65% |
| Salmonella | 124 | 15.6 | 124 | 0% |
| Shigellosis | 77 | 9.7 | 74 | +4% |
| Strep A, invasive | 20 | 2.5 | 17 | +18% |
| Strep B, invasive | 16 | 2.0 | 11 | +45% |
| Tuberculosis | 14 | 1.8 | 11 | +27% |

E. coli, shiga toxin-producing, South Dakota

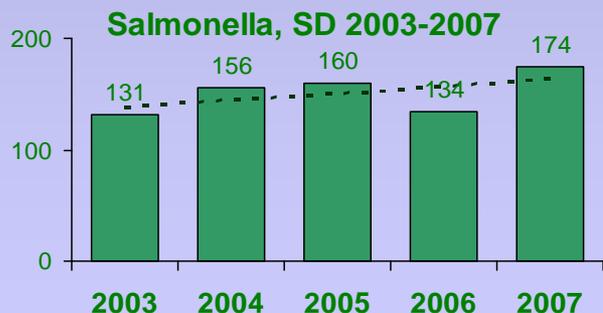
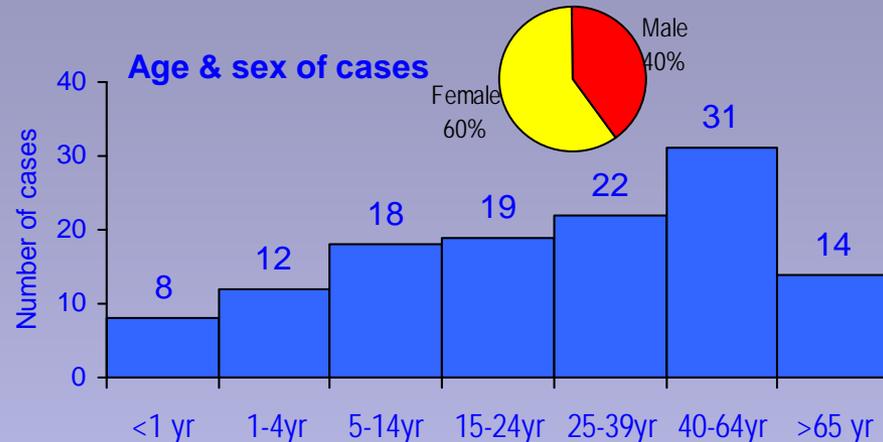
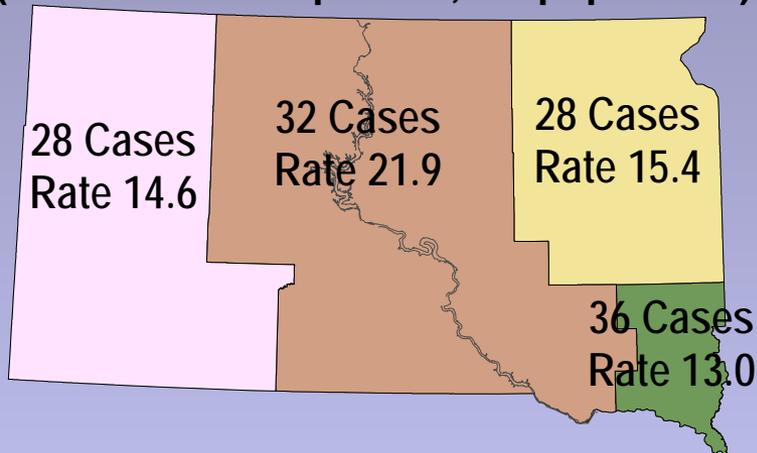
**E. coli, Shiga toxin-producing
South Dakota 40 Cases
(Rate 5.0 cases per 100,000 population)**



E. coli fact sheet: <http://doh.sd.gov/diseasefacts>

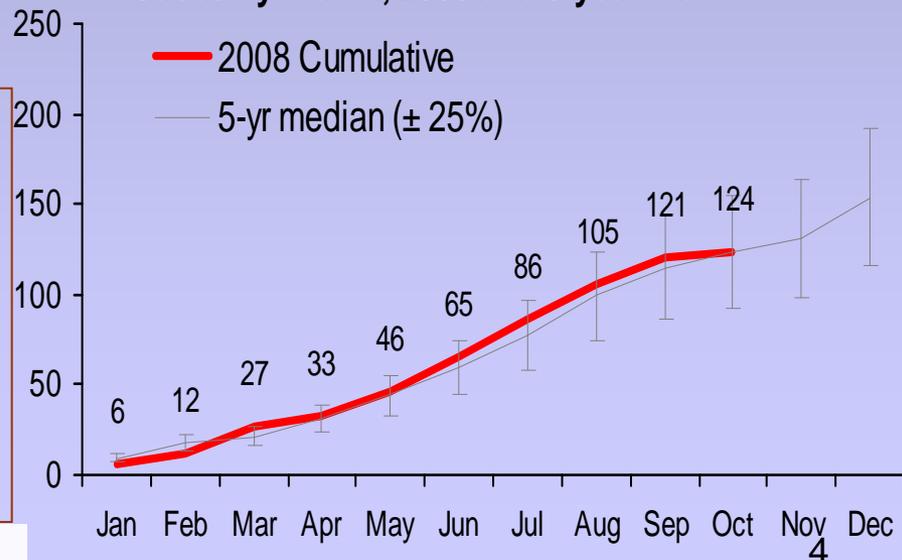
Salmonellosis, South Dakota

Salmonellosis
South Dakota 124 Cases
 (Rate 15.6 cases per 100,000 population)



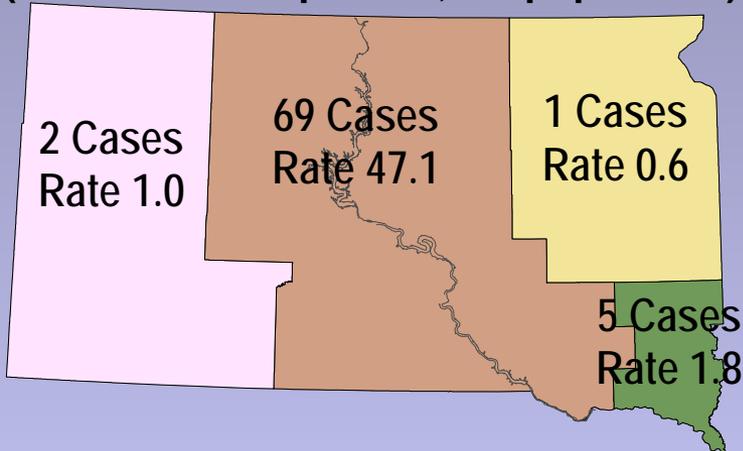
- Serotype (number)**
- S. Agona 3
 - S. Berta 6
 - S. Enteritidis 23
 - S. Heidelberg 8
 - S. Infantis 3
 - S. Montevideo 5
 - S. Muenchen 3
 - S. Newport 3
 - S. Orangiengburg 3
 - S. Saintpaul 3
 - S. Typhimurium 28
 - All other serotypes <3

Cases by month, 2008 and 5-year median

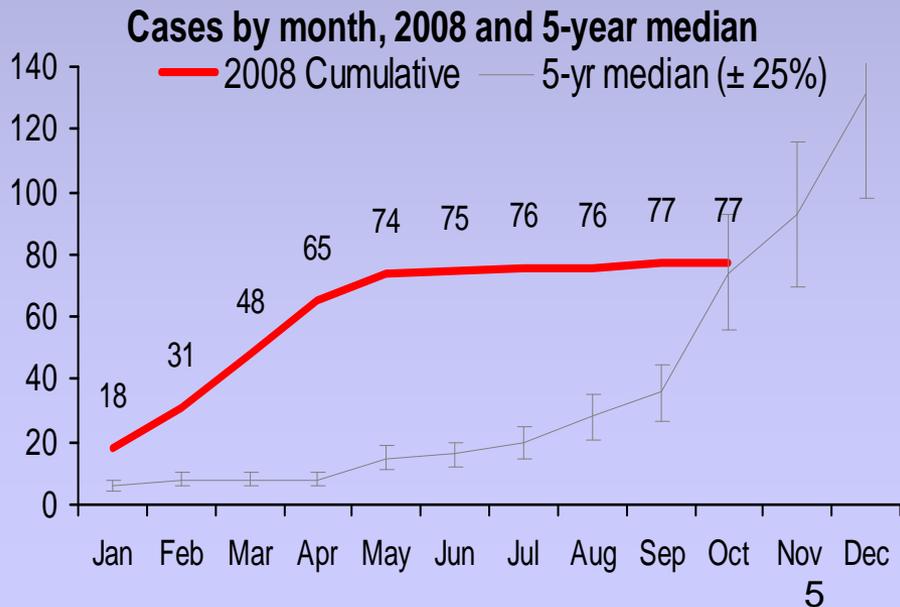
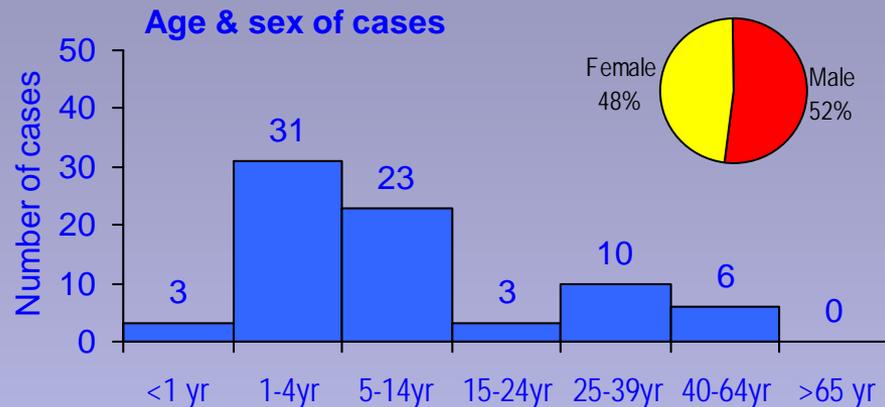
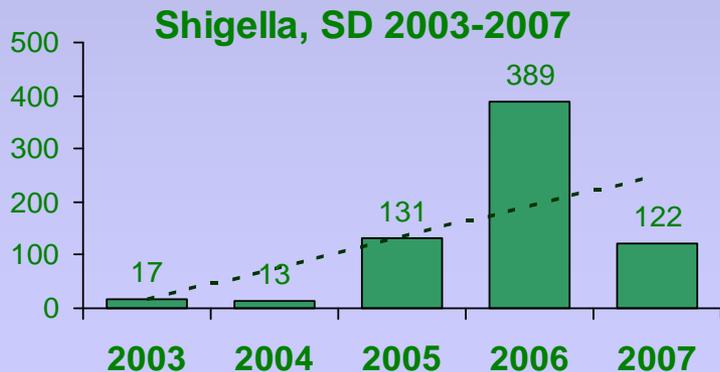


Shigellosis, South Dakota

Shigellosis
 South Dakota 77 Cases
 (Rate 9.1 cases per 100,000 population)



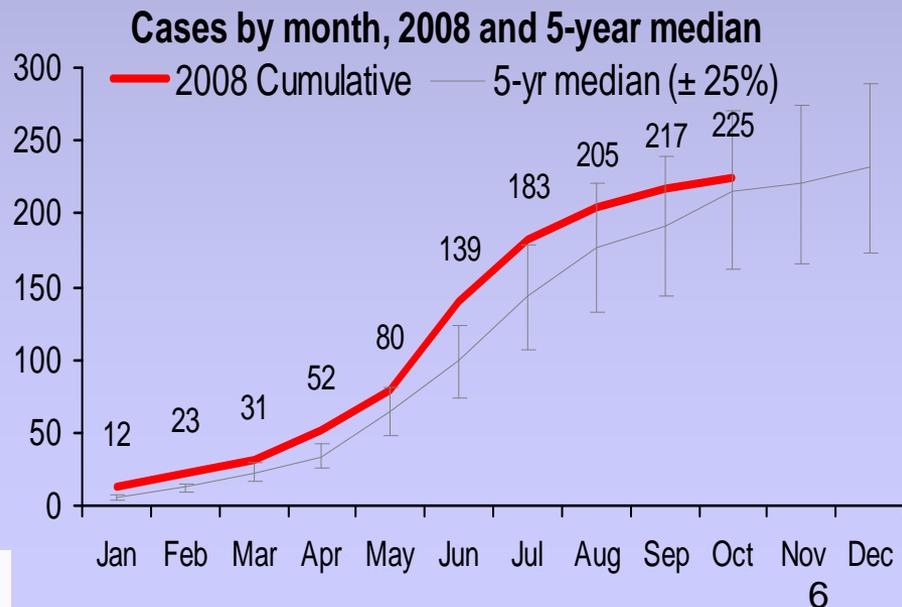
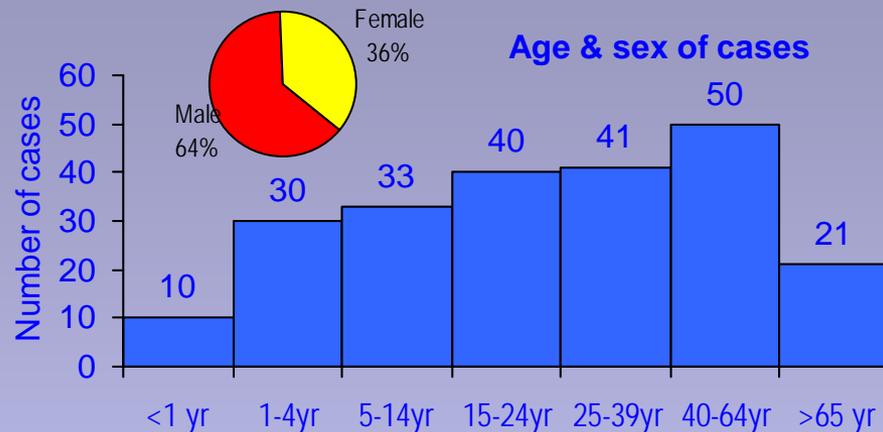
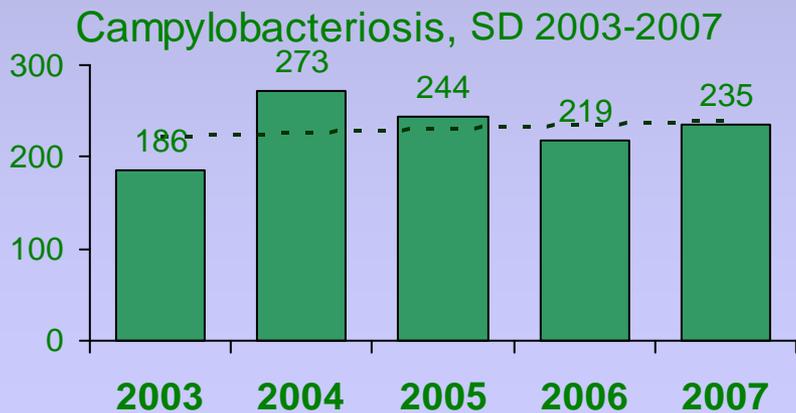
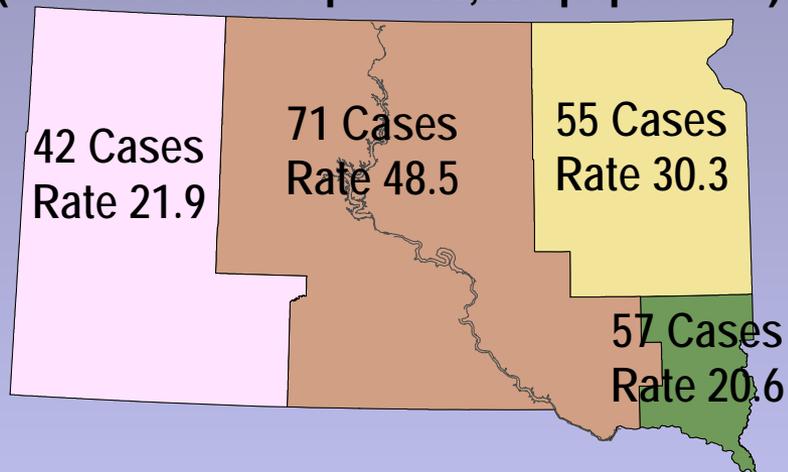
Shigella sonnei 97%, *Shigella flexneri* 3%



Shigella fact sheet: <http://doh.sd.gov/diseasefacts>

Campylobacteriosis, South Dakota

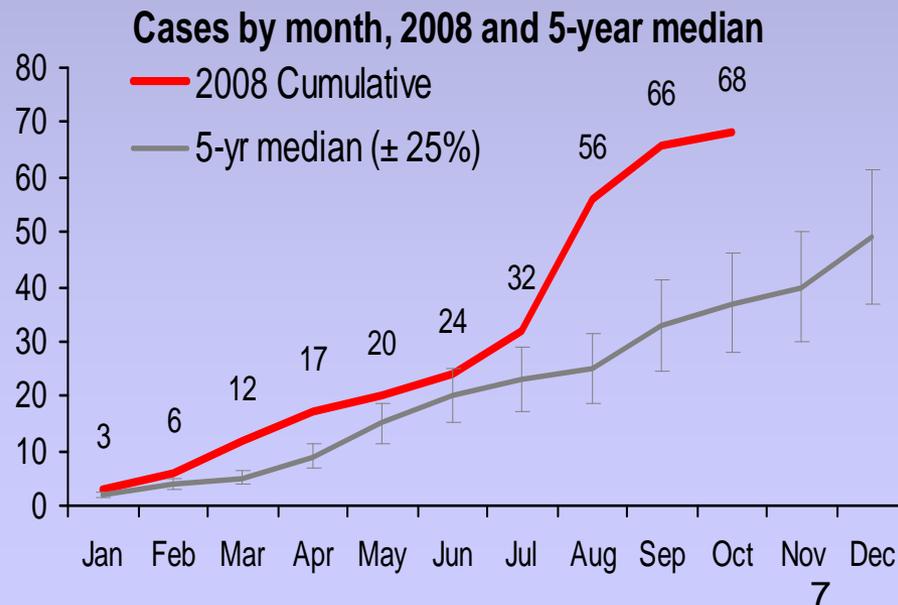
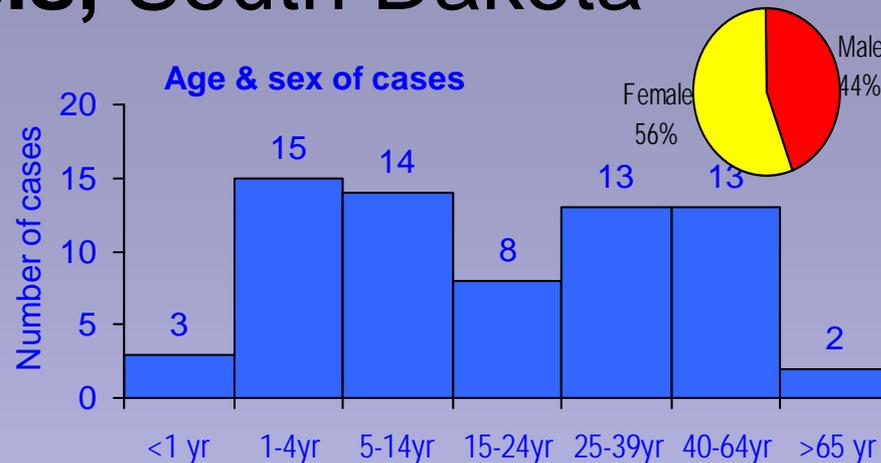
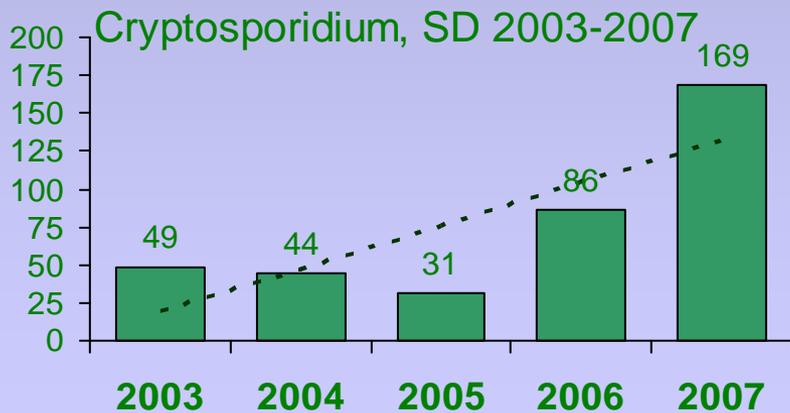
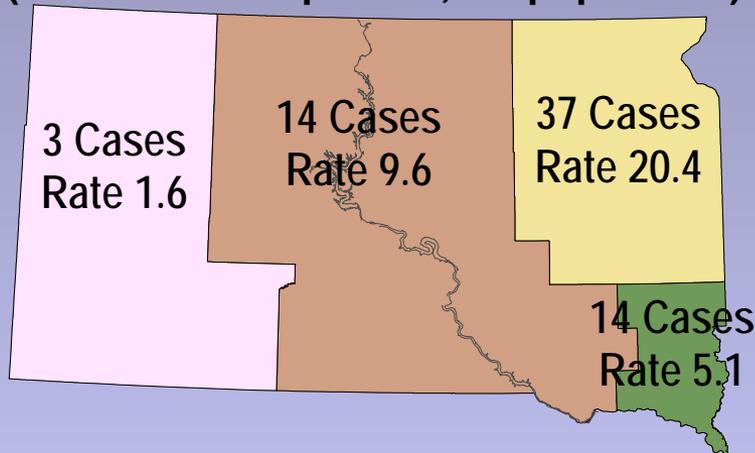
Campylobacter
South Dakota 225 Cases
 (Rate 28.3 cases per 100,000 population)



Campylobacter fact sheet: <http://doh.sd.gov/diseasefacts>

Cryptosporidiosis, South Dakota

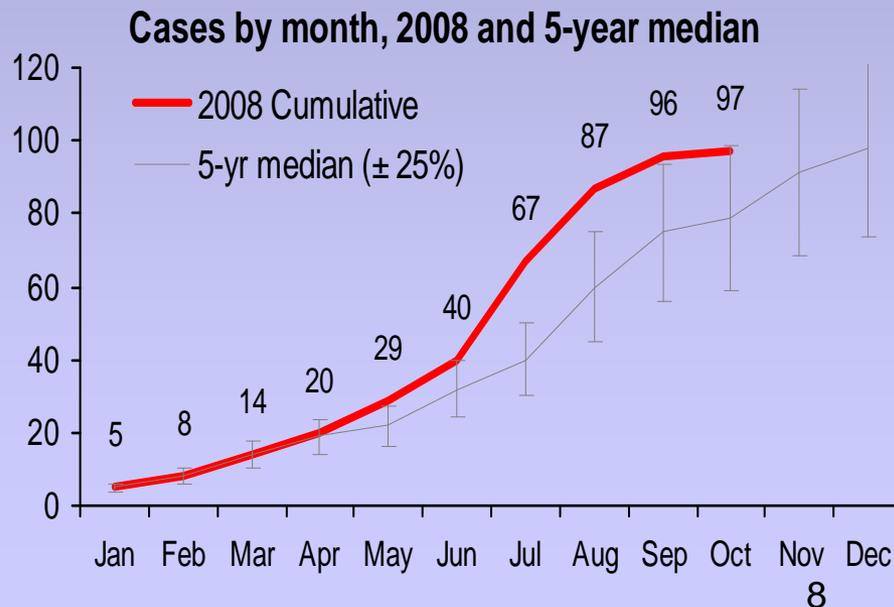
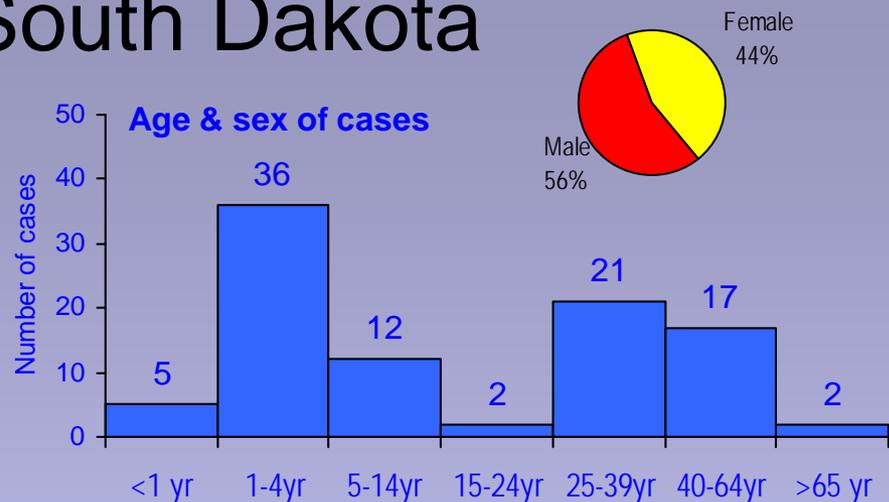
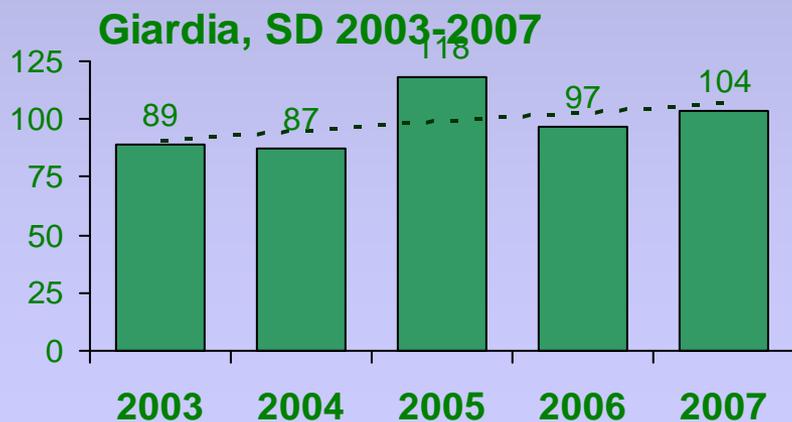
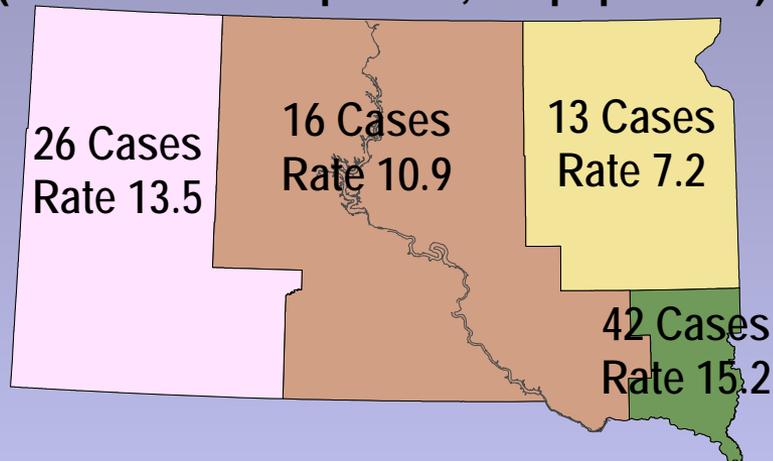
**Cryptosporidiosis
South Dakota 68 Cases
(Rate 8.5 cases per 100,000 population)**



Cryptosporidiosis fact sheet:
<http://doh.sd.gov/diseasefacts>

Giardiasis, South Dakota

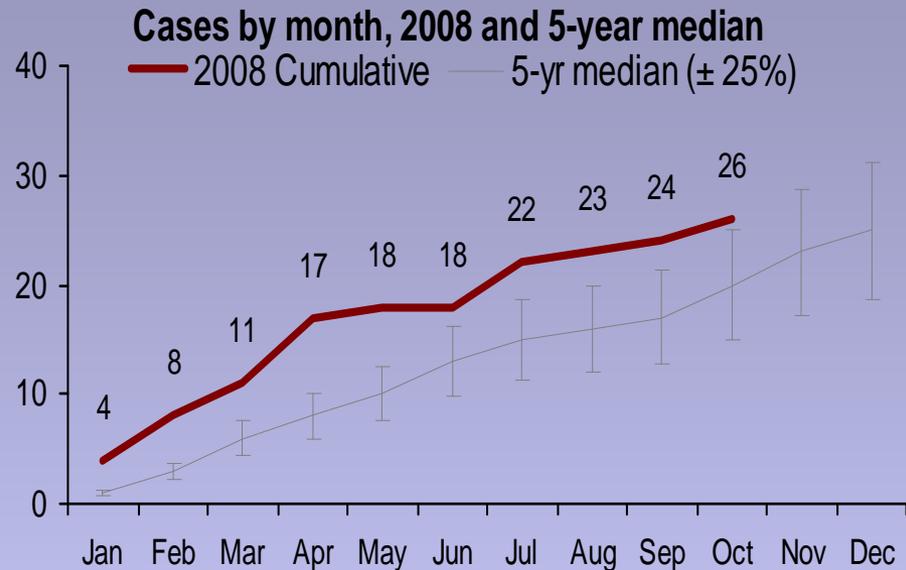
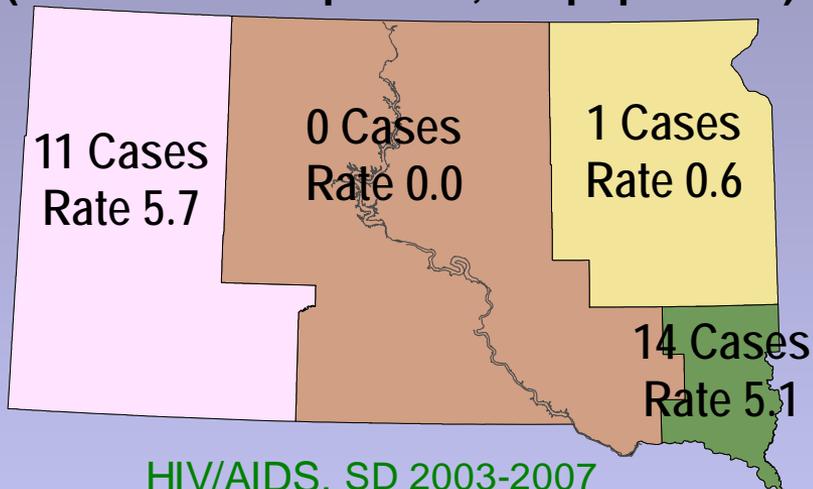
Giardiasis
South Dakota 97 Cases
 (Rate 12.2 cases per 100,000 population)



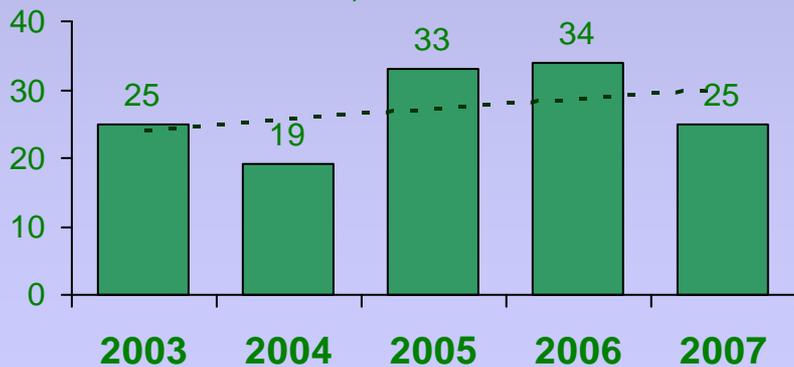
Giardia fact sheet: <http://doh.sd.gov/diseasefacts>

HIV/AIDS, South Dakota

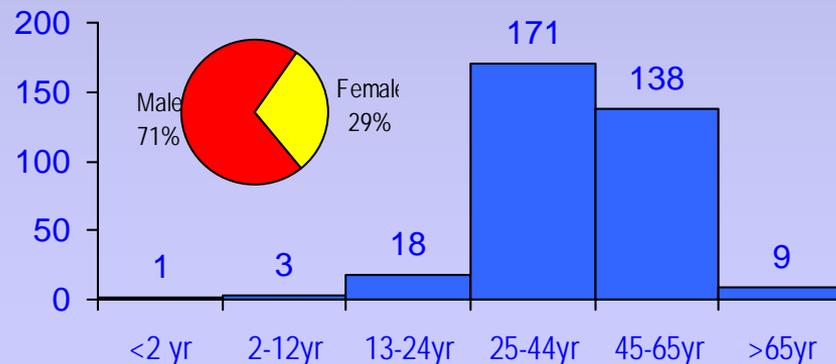
HIV/AIDS
South Dakota 26 Cases
(Rate 3.3 cases per 100,000 population)



HIV/AIDS, SD 2003-2007



Persons living with HIV/AIDS, SD total 340

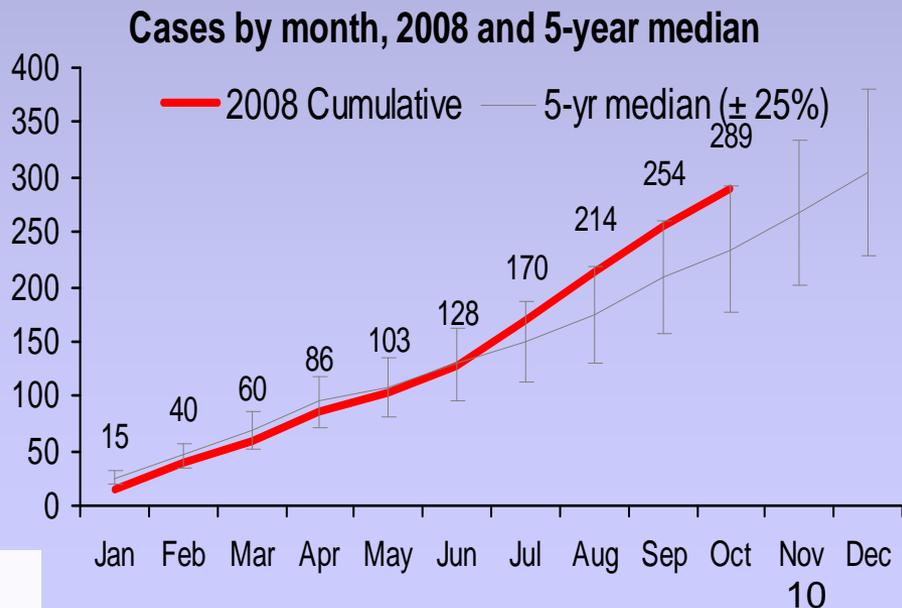
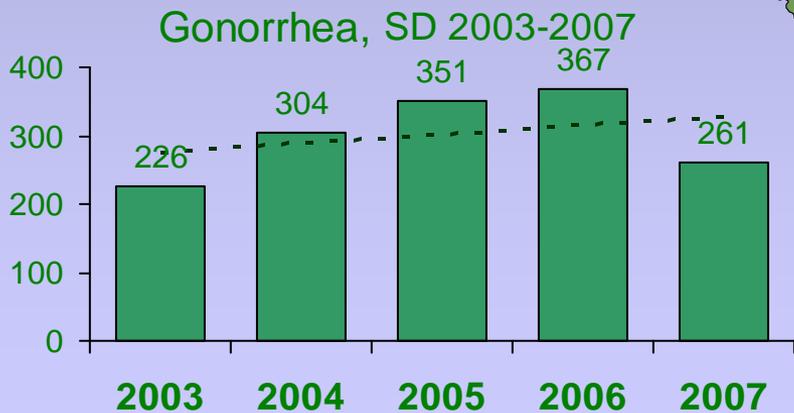
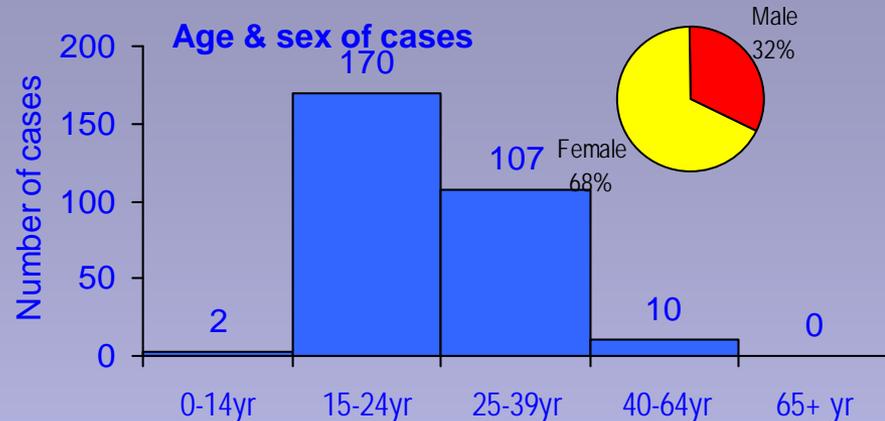
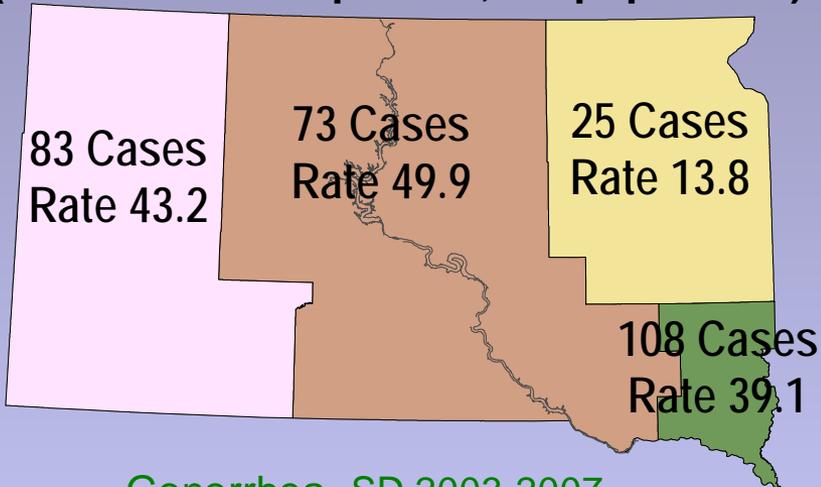


Gonorrhea, South Dakota

Gonorrhea

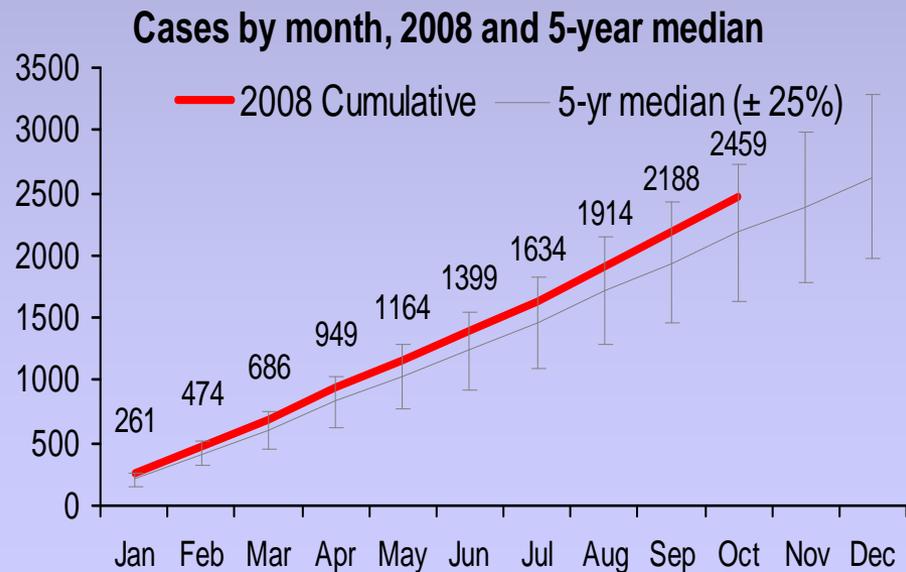
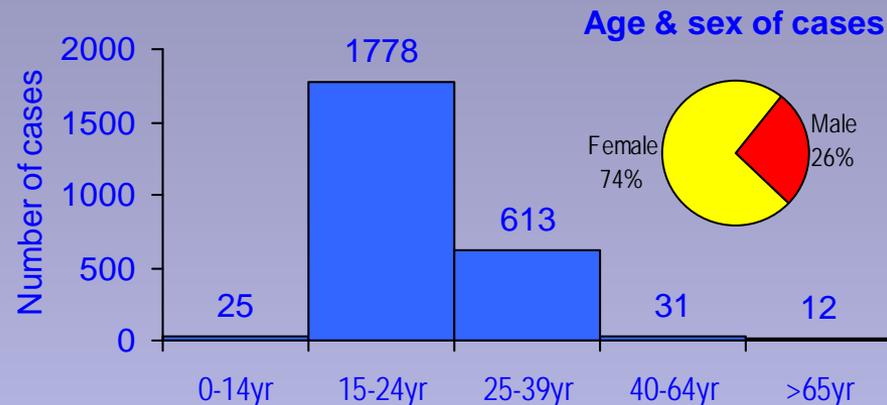
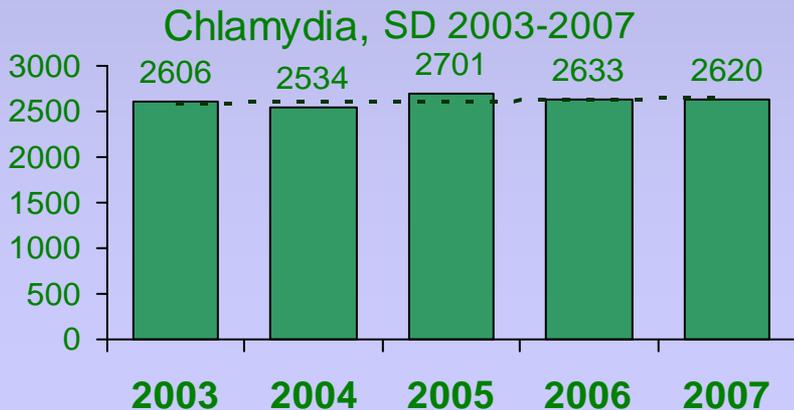
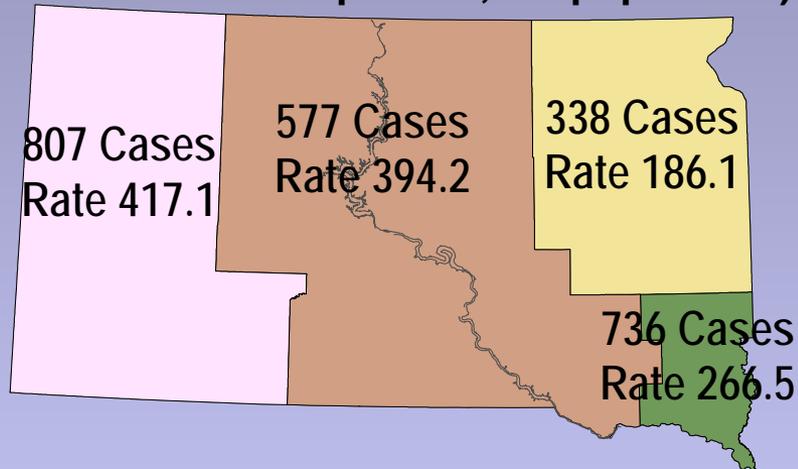
South Dakota 289 Cases

(Rate 36.3 cases per 100,000 population)



Chlamydia, South Dakota

Chlamydia
South Dakota 2,452 Cases
(Rate 308.0 cases per 100,000 population)



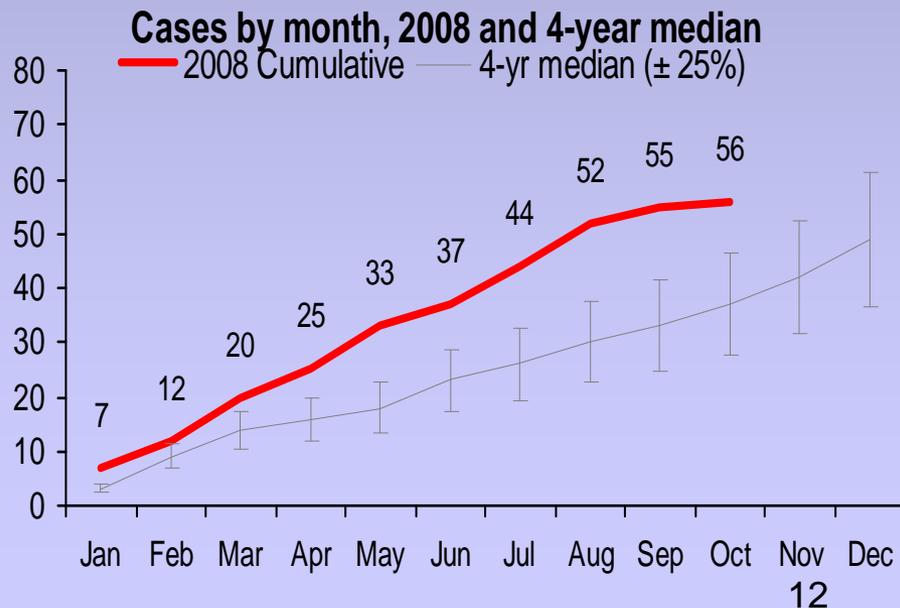
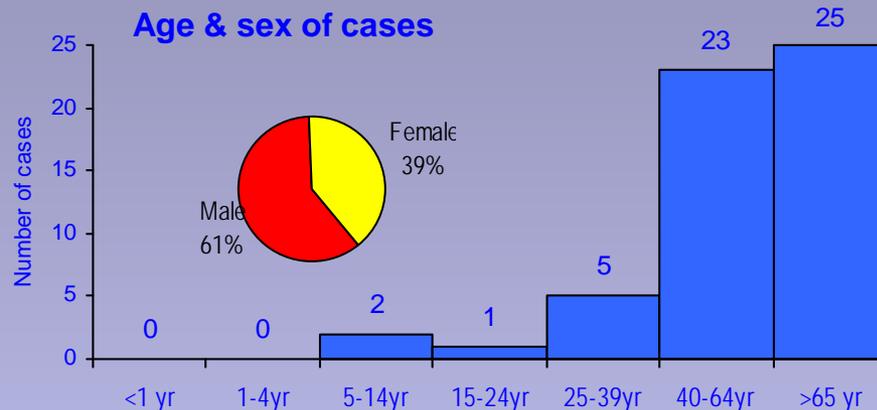
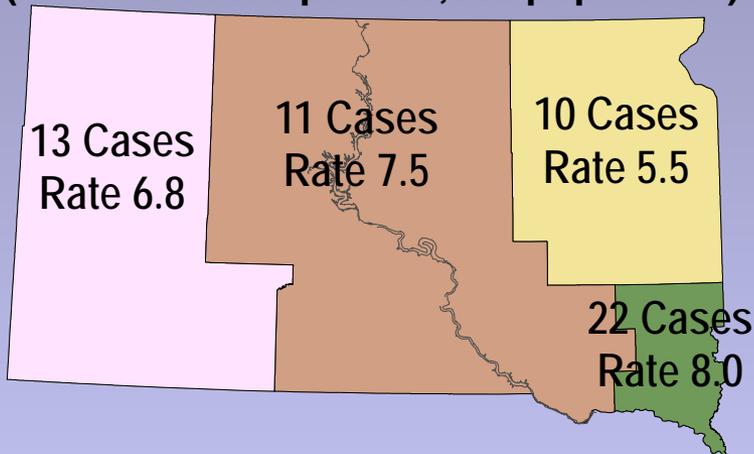
1 January – 31 October 2008

Provisional data

Invasive MRSA, South Dakota

(Invasive Methicillin-Resistant *Staphylococcus aureus*)

MRSA, Invasive
South Dakota 56 Cases
(Rate 7.0 cases per 100,000 population)

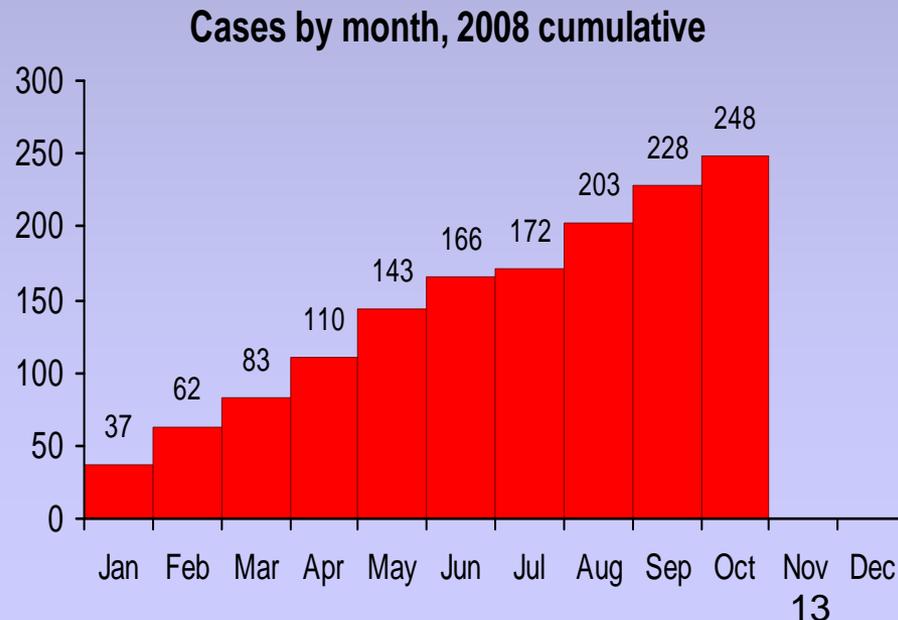
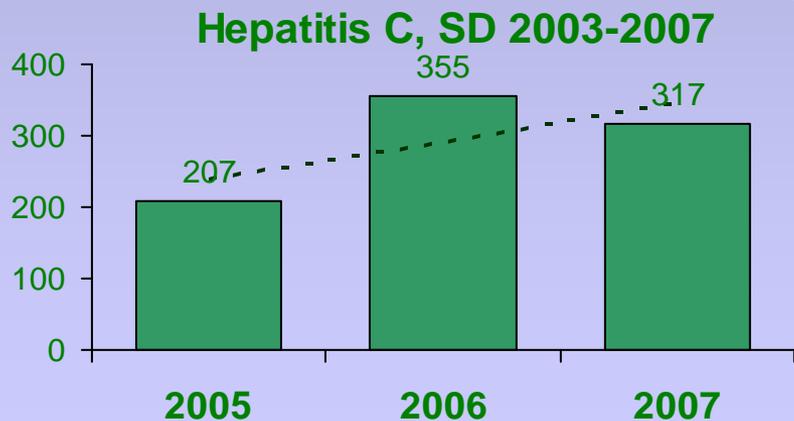
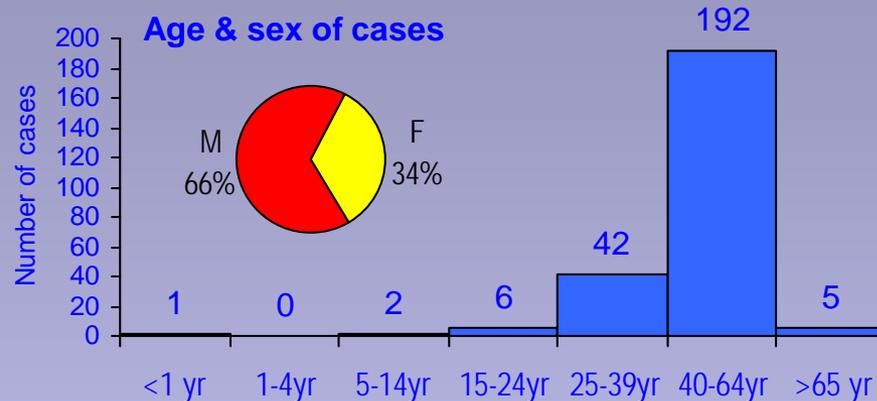
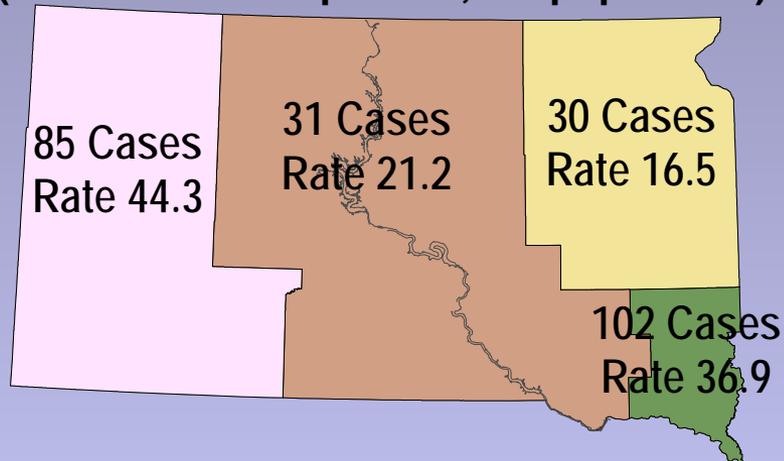


1 January – 31 October 2008

Provisional data

Hepatitis C (chronic), South Dakota

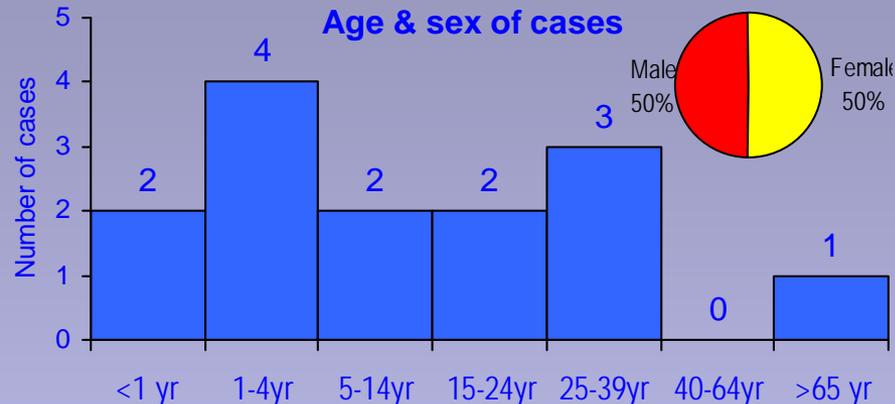
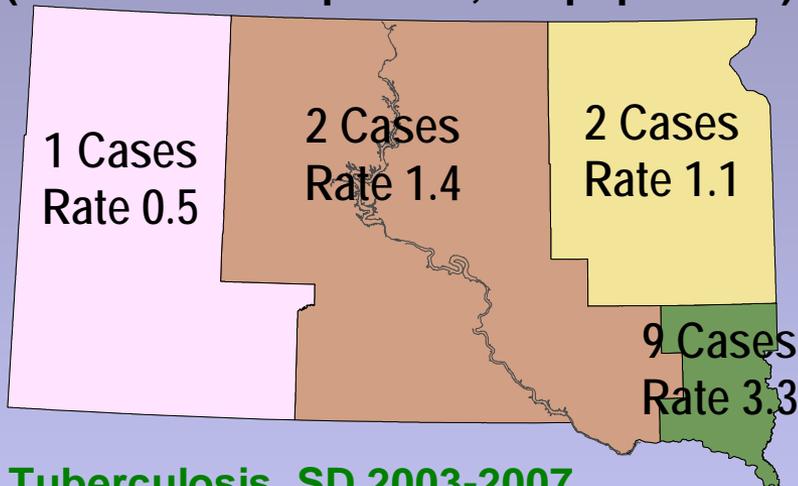
Hepatitis C
South Dakota 248 Cases
(Rate 31.1 cases per 100,000 population)



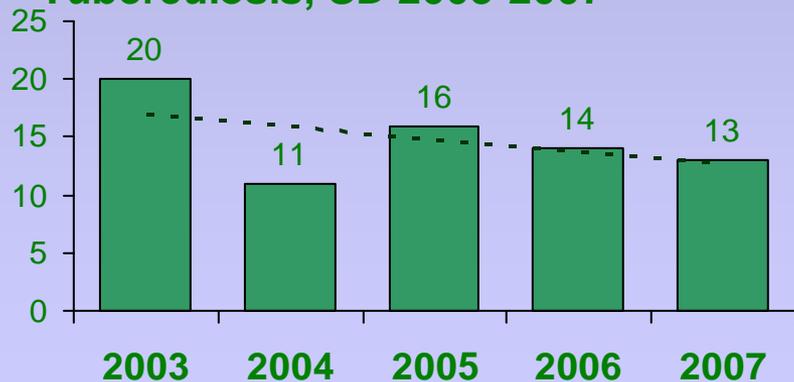
Hepatitis C fact sheet:
<http://doh.sd.gov/diseasefacts/HepatitisC.aspx>

Tuberculosis, South Dakota

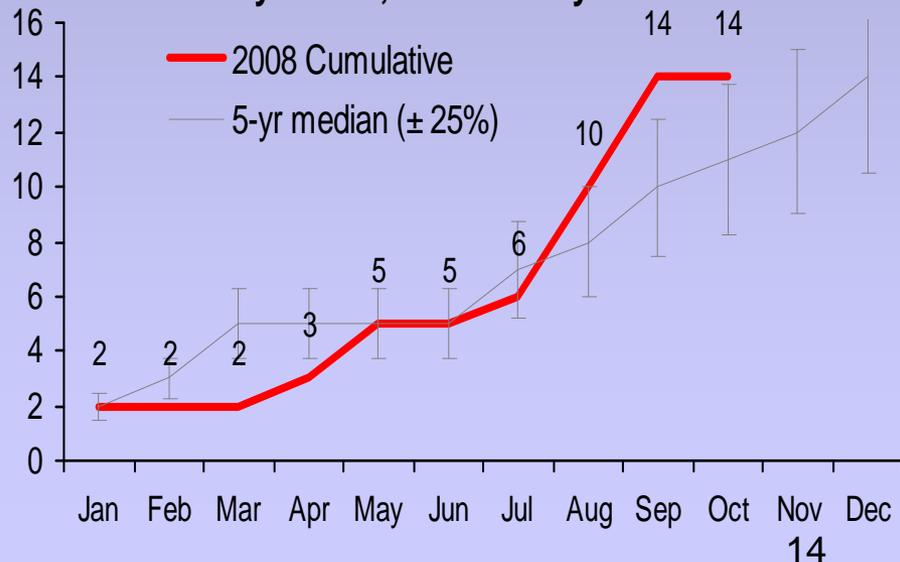
**Tuberculosis
South Dakota 14 Cases
(Rate 1.8 cases per 100,000 population)**



Tuberculosis, SD 2003-2007



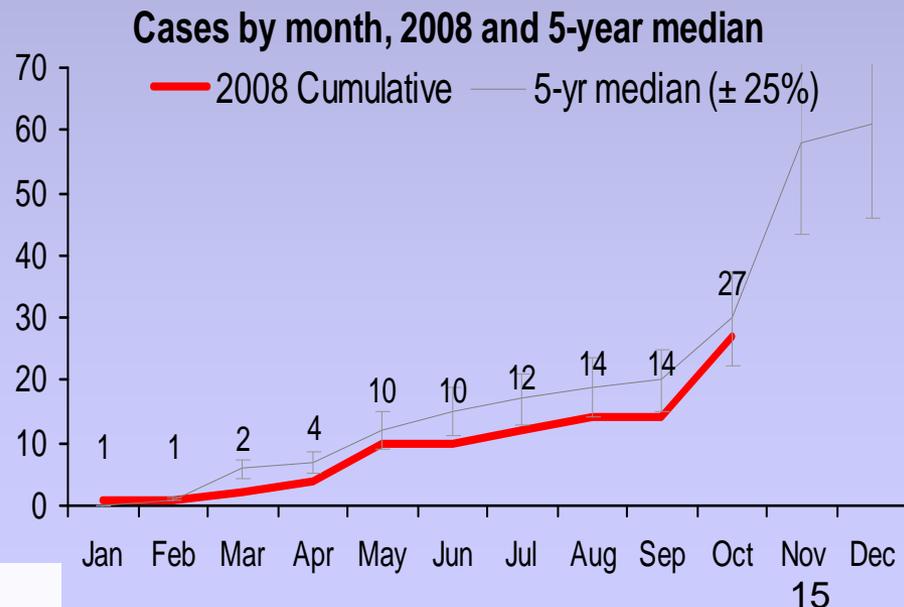
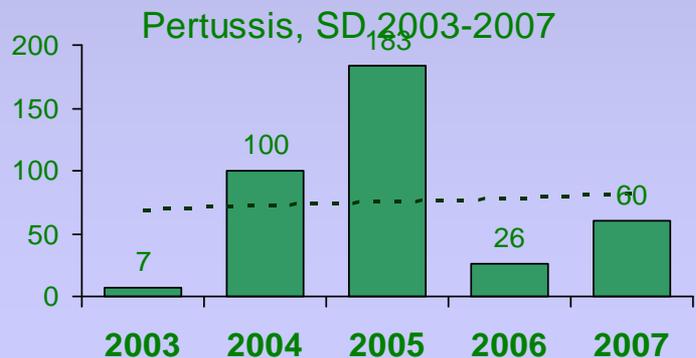
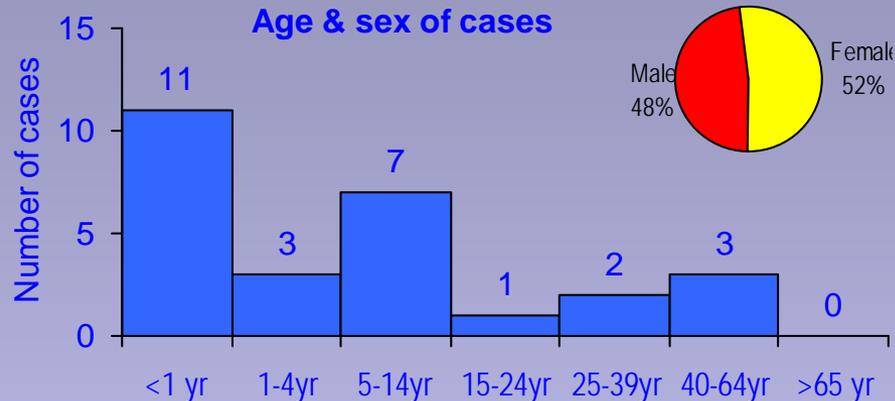
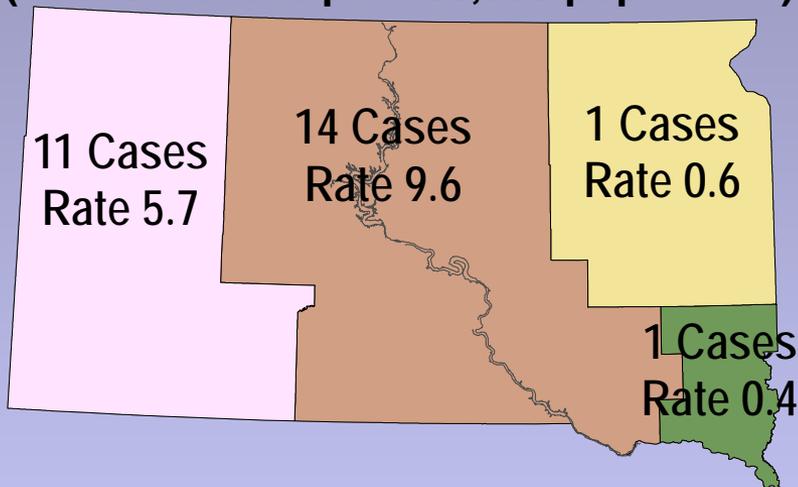
Cases by month, 2008 and 5-year median



Tuberculosis control info: <http://doh.sd.gov/TB>

Pertussis, South Dakota

Pertussis
South Dakota 27 Cases
(Rate 3.4 cases per 100,000 population)



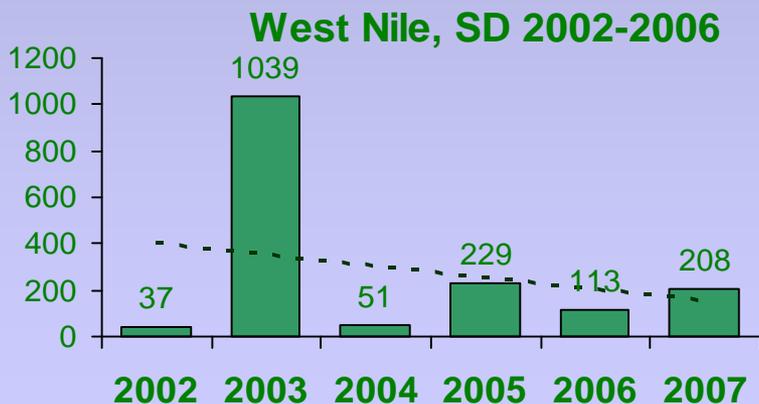
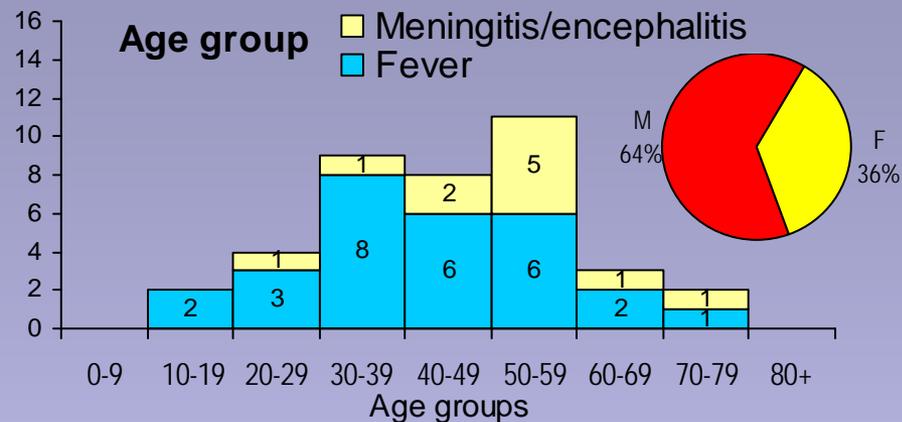
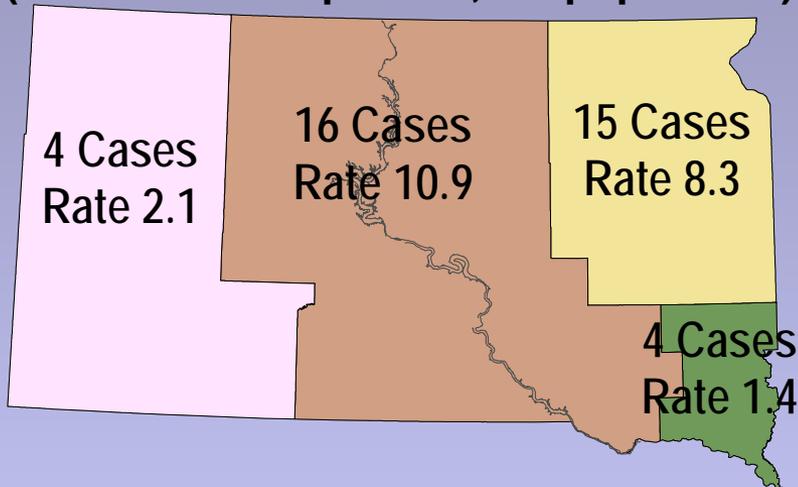
Pertussis fact sheet: <http://doh.sd.gov/diseasefacts>

1 January – 31 October 2008

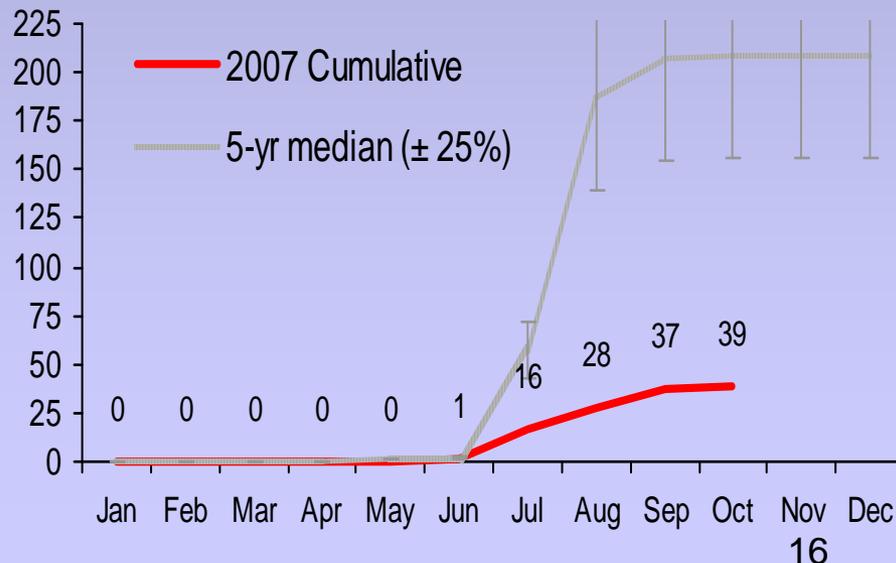
Provisional data

West Nile disease, South Dakota

**West Nile
South Dakota 39 Cases
(Rate 4.9 cases per 100,000 population)**



Cases by month, 2007 and 5-year median

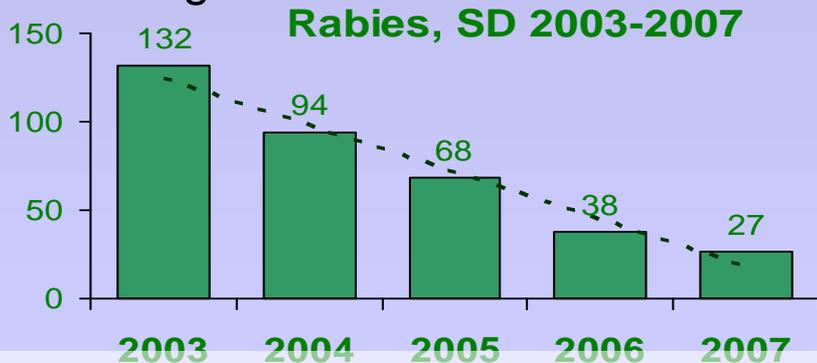
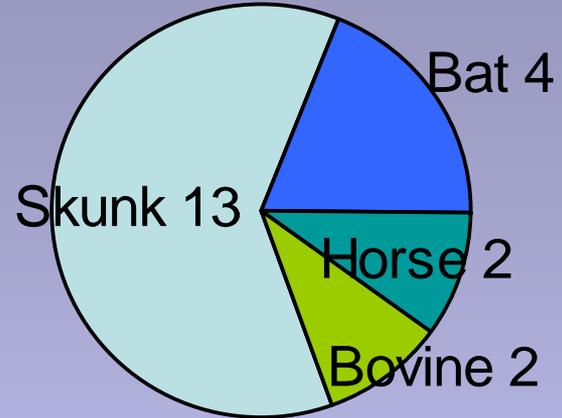


West Nile information: <http://westnile.sd.gov>

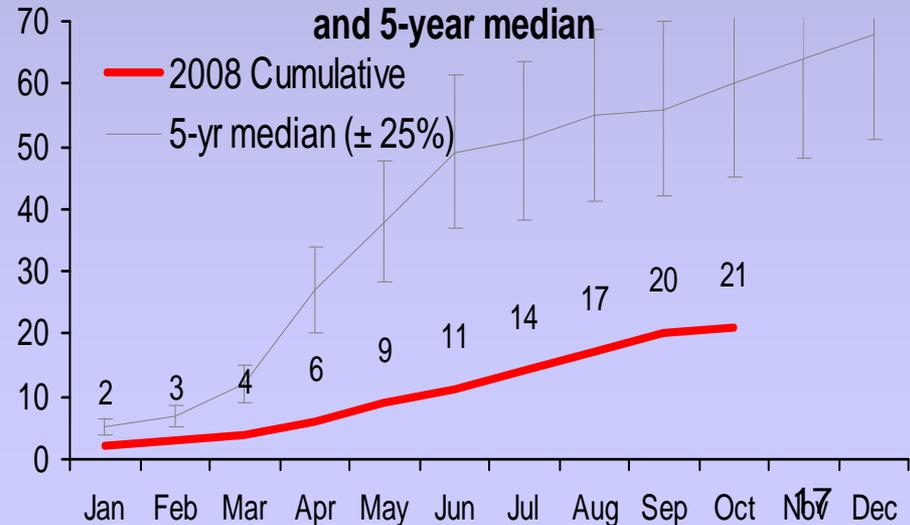
Rabies, South Dakota

County: rabid animals 21

- Brookings: skunk 1
- Clark: horse 2, skunk 1
- Day: bovine 1
- Edmunds: skunk 2
- Grant: skunk 1
- Gregory: skunk 2
- Hamlin: skunk 2
- Hutchinson: bat 1
- Lake: skunk 1
- McCook: skunk 2
- Minnehaha: bovine 1, bat 2
- Meade: skunk 1
- Pennington: bat 1



Cases by month, 2008 and 5-year median



Other diseases, South Dakota, Year-to-date 2008

| Disease | Total cases YTD | 5-yr median | Central | Northeast | Southeast | West |
|------------------------------|-----------------|-------------|---------|-----------|-----------|------|
| Anaplasmosis | 1 | - | | | | |
| Chicken pox | 25 | 61 | 3 | 5 | 5 | 12 |
| Cyclospora | 1 | 0 | 0 | 1 | 0 | 0 |
| Hanson's disease | 1 | - | 0 | 1 | 0 | |
| Hepatitis A | 3 | 3 | 0 | 2 | 1 | 0 |
| Hepatitis B, chronic | 22 | - | 2 | 2 | 13 | 5 |
| Hepatitis E | 1 | 0 | - | - | - | |
| Legionnaires' | 2 | 4 | 0 | 0 | 0 | 2 |
| Lyme disease | 3 | 1 | 1 | 2 | 0 | 0 |
| Meningococcal, invasive | 2 | 3 | 0 | 0 | 1 | 1 |
| Mumps | 1 | - | 0 | 0 | 1 | |
| Q Fever | 1 | 0 | 1 | 0 | 0 | 0 |
| Rocky Mt Spot Fever | 3 | 4 | 1 | 0 | 0 | 2 |
| Staph toxic shock | 1 | - | 1 | 0 | 0 | 0 |
| Strep A, invasive | 20 | 15 | 8 | 3 | 4 | 5 |
| Strep B, invasive | 16 | 11 | 3 | 4 | 5 | 4 |
| Strep pneumo, < 5 yrs old | 7 | - | 1 | 0 | 5 | 1 |
| Strep pneumo, drug resistant | 5 | 3 | 2 | 1 | 1 | 1 |
| Syphilis, early | 2 | 1 | 0 | 0 | 2 | 0 |
| Tularemia | 9 | 5 | 6 | 0 | 0 | 3 |
| Typhoid fever | 2 | 0 | 0 | 0 | 2 | 0 |

Reportable Diseases List:

<http://doh.sd.gov/Disease/Report.aspx>

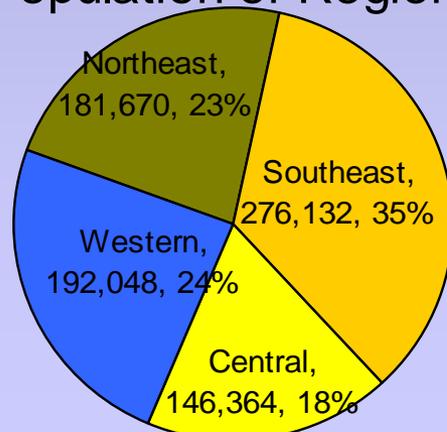


To report infectious diseases

- Secure website: www.state.sd.us/doh/diseasereport
- Telephone: **1-800-592-1804** confidential recorder; or **1-800-592-1861** or **605-773-3737** for a disease surveillance person during normal business hours; after hours to report Category I diseases or other emergencies, call **605-280-4810**.
- Fax: **605-773-5509**
- Mail or courier, address to: Infectious Disease Surveillance, Office of Disease Prevention, Department of Health, 615 East 4th Street, Pierre, SD 57501; marked "*Confidential Disease Report*"

Case definitions: www.cdc.gov/ncphi/diss/nndss/phs/infdis2008.htm

Population of Regions



Monthly surveillance reports

<http://doh.sd.gov/ID/site.aspx>

South Dakota 2007 population est: 796,214